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**POWER OF ATTORNEY OR  
AUTHORIZATION OF AGENT AND  
CORRESPONDENCE ADDRESS**

Application Number	09/988,496
Filing Date	November 20, 2002
First Named Inventor	David J. Anderson
Group Art Unit	1614
Examiner Name	Unknown
Attorney Docket Number	1802.1004-001

I/We hereby appoint

- the attorneys/agents associated with Customer No. 021005  
 Practitioner(s) named below:

\_\_\_\_\_  
as my/our attorneys/agents to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

The correspondence address for the above-identified application is:

- Customer Number 021005  
Hamilton, Brook, Smith & Reynolds, P.C.  
530 Virginia Road  
P.O. Box 9133  
Concord, Massachusetts 01742-9133

Other \_\_\_\_\_  
\_\_\_\_\_

Please direct all telephone calls and facsimiles to:

Name David E. Brook Tel. No. 978-341-0036 Fax No. 978-341-0136

I am the:

- Applicant/Inventor.  
 Authorized representative of the Assignee of the entire interest. See 37 C.F.R. 3.71. A Statement under 37 C.F.R. § 3.73(b) is enclosed.  
 Authorized representative of an assignee together with California Institute of Technology of the entire interest. A separate Statement under 37 C.F.R. § 3.73(b) is enclosed.

**SIGNATURE of Applicant or Assignee of Record**

Name Vandana Desai Yajnik, Ph.D.

Signature Vandana Yajnik

Date 8/31/02

Total of [2] forms are submitted.



STATEMENT UNDER 37 C.F.R. § 3.73(b)

Docket No. 18021004-001

Applicants: J. Anderson, Guillermo Garcia-Cardena, Michael A. Gimbrone, Jr. and Hai U. Wang

Application No.: 09/988,496

Filed: November 20, 2001

For: Artery Smooth Muscle- and Vein Smooth Muscle-Specific Proteins and Uses Therefor

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1600 PENNSYLVANIA AVENUE, N.W.  
WASHINGTON, D.C. 20591-0001

The Brigham and Women's Hospital, Inc, a University

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is

- A.  the assignee of the entire right, title and interest in the patent application identified above; or
- B.  an assignee together with California Institute of Technology of the entire right, title and interest in the patent application identified above. A separate Statement under 37 CFR § 3.73(b) is being submitted.

The right, title and interest of the above-named assignee in the patent application identified above is established by virtue of:

- A.  An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel 012668, Frames 0116-0119 and Reel 012669, Frames 0986-0993, or a copy thereof is attached.

OR

- B.  A chain of title from the inventor(s) of the patent application identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Date: 8/21/02

Name: Vandana Desai Yajnik, Ph.D.

Title: /

Signature: Vandana Yajnik

**VANDANA DESAI YAJNIK, Ph.D.**  
**Associate Director**  
**Corporate Sponsored**  
**Research and Licensing**

OIPA HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

**POWER OF ATTORNEY OR  
AUTHORIZATION OF AGENT AND  
CORRESPONDENCE ADDRESS**

SEP 04 2002

Application Number	09/988,496
Filing Date	November 20, 2001
First Named Inventor	David J. Anderson
Group Art Unit	1614
Examiner Name	Unknown
Attorney Docket Number	1802.1004-001

I/We hereby appoint

- the attorneys/agents associated with Customer No. 021005  
 Practitioner(s) named below:
- 
- 

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 Hamilton, Brook, Smith & Reynolds, P.C.  
 530 Virginia Road  
 P.O. Box 9133  
 Concord, Massachusetts 01742-9133  
 Other \_\_\_\_\_
- 
- 

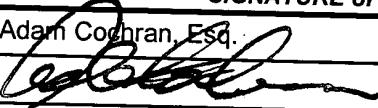
Please direct all telephone calls and facsimiles to:

Name David E. Brook Tel. No. 978-341-0036 Fax No. 978-341-0136

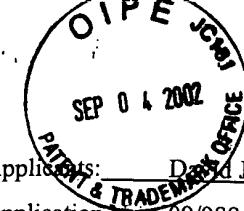
I am the:

- Applicant/Inventor.  
 Authorized representative of the Assignee of the entire interest. See 37 C.F.R. 3.71. A Statement under 37 C.F.R. §3.73(b) is enclosed.  
 Authorized representative of an assignee together with The Brigham and Women's Hospital, Inc. of the entire interest. A separate Statement under 37 C.F.R. § 3.73(b) is enclosed.

*SIGNATURE of Applicant or Assignee of Record*

Name	Adam Cochran, Esq.
Signature	
Date	APR 19 2002

- Total of [2] forms are submitted.



## STATEMENT UNDER 37 C.F.R. § 3.73(b)

Applicants: David J. Anderson, Guillermo Garcia-Cardena, Michael A. Gimbrone, Jr. and Hai U. Wang  
 Application No.: 09/988,496

Filed: November 20, 2001

For: Artery Smooth Muscle- and Vein Smooth Muscle-Specific Proteins and Uses Therefor

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California Institute of Technology, a University

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is

- A.  the assignee of the entire right, title and interest in the patent application identified above; or
- B.  an assignee together with The Brigham and Women's Hospital, Inc. of the entire right, title and interest in the patent application identified above. A separate Statement under 37 CFR § 3.73(b) is being submitted.

The right, title and interest of the above-named assignee in the patent application identified above is established by virtue of:

- A.  An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy thereof is attached.

OR

- B.  A chain of title from the inventor(s) of the patent application identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
 The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
 The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
 The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Date: 16 August 2002Name: Adam Cochran, Esq.Title: Intellectual Property Counsel

Signature:

# COPY

Docket No. 1802.1004-001

Multi-Joint

## ASSIGNMENT

WHEREAS, we, **David J. Anderson and Hai U. Wang**, together with co-inventors **Guillermo Garcia-Cardena and Michael A. Gimbrone, Jr.**, have invented a certain improvement in **Artery Smooth Muscle- and Vein Smooth Muscle-Specific Proteins and Uses Therefor** described in an application for Letters Patent of the United States, the specification of which:

- [ ] is being executed on even date herewith and is about to be filed in the United States Patent Office;
- [X] was filed on **November 20, 2001** as Application No. **09/988,496**;
- [ ] was patented under U.S. Patent No. [ ] on [ ].

WHEREAS, **California Institute of Technology** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of California**, and having a usual place of business at **1200 East California Boulevard, Pasadena, California 91125** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving

of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

---

Inventor's Signature:



David J. Anderson

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **David J. Anderson** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_.  

---

(SEAL)

---

Notary Public

---

(print name)

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  

---

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of

Los Angeles

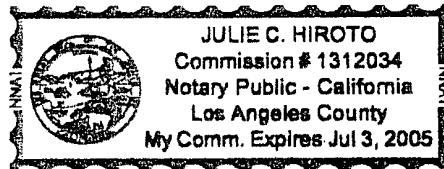
} ss.

On 25 Feb 2002, before me, Julie C. Hiroto, notary public,  
Date  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")  
personally appeared David J. Anderson,  
Name(s) of Signer(s)

- personally known to me  
 proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Place Notary Seal Above

## OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

### Description of Attached Document .

Title or Type of Document: Assignment

Document Date: date signed Number of Pages: three

Signer(s) Other Than Named Above: Hai U. Wang

### Capacity(ies) Claimed by Signer

Signer's Name:

- Individual  
 Corporate Officer — Title(s): \_\_\_\_\_  
 Partner —  Limited  General  
 Attorney in Fact  
 Trustee  
 Guardian or Conservator  
 Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

RIGHT THUMBPRINT  
OF SIGNER

Top of thumb here

---

Inventor's Signature: \_\_\_\_\_

**Hai U. Wang**

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **Hai U. Wang** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_.

(SEAL) \_\_\_\_\_ Notary Public

\_\_\_\_\_ (print name)

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Multi-Joint  
ASSIGNMENT

WHEREAS, we, **David J. Anderson and Hai U. Wang**, together with co-inventors **Guillermo Garcia-Cardena and Michael A. Gimbrone, Jr.**, have invented a certain improvement in **Artery Smooth Muscle- and Vein Smooth Muscle-Specific Proteins and Uses Therefor** described in an application for Letters Patent of the United States, the specification of which:

- [ ] is being executed on even date herewith and is about to be filed in the United States Patent Office;
- [X] was filed on **November 20, 2001** as Application No. **09/988,496**;
- [ ] was patented under U.S. Patent No. [ ] on [ ].

WHEREAS, **California Institute of Technology** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of California**, and having a usual place of business at **1200 East California Boulevard, Pasadena, California 91125** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving

of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

---

Inventor's Signature: \_\_\_\_\_

State/Commonwealth \_\_\_\_\_  
of \_\_\_\_\_

County of \_\_\_\_\_

**David J. Anderson**

Then personally appeared before me the above-named **David J. Anderson** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_. \_\_\_\_\_

(SEAL)

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
(print name)

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

---

Inventor's Signature:



Hai U. Wang

State/Commonwealth

of California

County of SACRAMENTO.

Then personally appeared before me the above-named **Hai U. Wang** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 20<sup>TH</sup> day of February, 2002.

(SEAL)

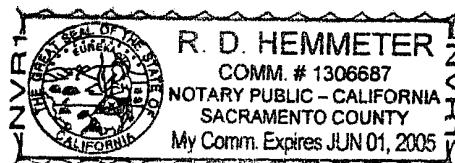


Notary Public



(print name)

My Commission expires 06/01/05



STATEMENT CLAIMING SMALL ENTITY STATUS DOCKET NUMBER: 1802.1004-001  
(37 CFR 1.27(a))-NONPROFIT ORGANIZATION

Applicant or Patentee: David J. Anderson, Guillermo Garcia-Cardena, Michael A. Gimbrone, Jr. and Hai U. Wang  
Application or Patent No.: 09/988,496  
Filed or Issued: November 20, 2001  
Title: Artery Smooth Muscle- and Vein Smooth Muscle-Specific Proteins and Uses Therefor

I hereby state that I am an official empowered to act on behalf of the nonprofit organization identified below:

NAME OF NONPROFIT ORGANIZATION California Institute of Technology  
ADDRESS OF NONPROFIT ORGANIZATION 1200 East California Boulevard MC: 210-85  
Pasadena, California 91125

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U.S. PATENT & TRADEMARK OFFICE

TYPE OF NONPROFIT ORGANIZATION:

- UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDUCATION  
 TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 U.S.C.501(a) and 501(c)(3))  
 NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA  
(NAME OF STATE \_\_\_\_\_)  
(CITATION OF STATUTE \_\_\_\_\_)  
 WOULD QUALIFY AS TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 U.S.C. 501(a) and 501(c)(3)) IF LOCATED IN THE UNITED STATES OF AMERICA  
 WOULD QUALIFY AS NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA IF LOCATED IN THE UNITED STATES OF AMERICA  
(NAME OF STATE \_\_\_\_\_)  
(CITATION OF STATUTE \_\_\_\_\_)

I hereby state that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.27(a)(3) for purposes of paying reduced fees to the United States Patent and Trademark Office regarding the invention described in:

- the specification filed herewith with title as listed above.  
 the application identified above.  
 the patent identified above.

I hereby state that the rights under contract or law have been conveyed to and remain with the nonprofit organization regarding the above identified invention. If the rights held by the nonprofit organization are not exclusive, each individual, concern, or organization having rights in the invention must file separate statements as to their status as small entities. No rights to the invention are held by any person who would not qualify as a person under 37 CFR 1.27(a)(1) or by any concern which would not qualify as a small business concern under 37 CFR 1.27(a)(2) or a nonprofit organization under 37 CFR 1.27(a)(3).

Each person, concern, or organization having any rights in the invention is listed below:

- no such person, concern, or organization exists.  
 each such person, concern, or organization is listed below.

Brigham and Women's Hospital  
75 Francis Street  
Boston, MA 02115

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.27(g)(2))

NAME OF PERSON SIGNING Adam Cochran

TITLE IN ORGANIZATION OF PERSON SIGNING Intellectual Property Counsel

ADDRESS OF PERSON SIGNING 1200 E. California Boulevard, M/C 201-85, Pasadena, California 91125

SIGNATURE  DATE June 14, 2002

.@PFDesktop\::ODMA/MHODMA/iManage;288034;1



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicants:

David J. Anderson, Guillermo Garcia-Cardena, Michael A.  
Gimbrone, Jr., and Hai U. Wang

Application No.:

09/988,496

Group:

1614

Filed:

November 20, 2001

Examiner:

Unknown

For:

ARTERY SMOOTH MUSCLE- AND VEIN SMOOTH  
MUSCLE-SPECIFIC PROTEINS AND USES THEREFOR

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the  
United States Postal Service with sufficient postage as First Class Mail in  
an envelope addressed to Assistant Commissioner for Patents, P.O. Box  
2327, Arlington, VA 22202

on 8-29-02 Linda M. Amato  
Date Signature

Linda M. Amato

Typed or printed name of person signing certificate

TRANSMITTAL OF SMALL ENTITY STATEMENT  
AND POWER OF ATTORNEY BY ASSIGNEE

Assistant Commissioner for Patents  
P.O. Box 2327  
Arlington, VA 22202

Sir:

Please find enclosed herewith two executed Power of Attorney by Assignee documents,  
two Statements Under 37 C.F.R. §3.73(b) and a Small Entity Statement from California Institute  
of Technology for filing in the captioned application.

Please charge any deficiency or credit any overpayment in the fees that may be due in this  
matter to Deposit Account No. 08-0380.

A copy of this letter is enclosed for accounting purposes.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By Anne I. Craig  
Anne I. Craig  
Registration No. 32,976  
Telephone: (978) 341-0036  
Facsimile: (978) 341-0136

Concord, MA 01742-9133

Dated: 8/28/02